

USFWS Red Wolf Recovery Program Quarterly Report April 1st - June 30th 2004	
Number of collared wolves	63
Number of collared hybrids/sterile hybrids	14 (This includes coyotes)
Changes in wild wolf population:	
1. Births	55 pups were counted in 11 litters
2. Deaths	<p>5 total</p> <p>1) A 2 yr old female born at the NC Zoo and fostered into the Newlands pack's litter was found dead in mid April. Her collar was picked up in mortality mode during ground telemetry work, and she was found to be a few days from whelping. It appears she may have died from complications associated with pregnancy. Though she was considered a non-breeder in the pack, a new male had moved in earlier during the breeding season and bred her.</p> <p>2) A female born in 2002 to the Milltail pack on ARNWR was hit by a vehicle on a farm road in mid April. She had been captured on ARNWR earlier in the year and treated for sarcoptic mange. The rest of her pack had died, been displaced by a pair of wolves or were also being treated for mange. She was released the day prior to her death in the vicinity of a lone male wolf in hopes of establishing a resident pair.</p> <p>3) A female born in 2002 died in late April as a result of intraspecific aggression. This female was originally from the Outfall pack, and one of her front legs had to be amputated following injury from a local's trap set legally for other species. She had been transient for over a year traveling through portions of the recovery area. She was found dead in the territory of the Intracoastal Waterway pack during a telemetry flight. The breeding female of this pack was located less than half a mile from her location, and is suspected of killing her.</p> <p>4) A 10-yr old male died in early June. For a number of years this was the breeding male of the Newlands pack. Though a large male, he was displaced by a younger male earlier this year during the breeding season. He had severe arthritis and mange, which may have contributed to his being displaced, and eventually his death.</p> <p>5) A 2-yr old female from the former Milltail pack that had been treated by mange earlier in the year was hit by a vehicle on Highway 64 in ARNWR in mid June. She had been released over a month prior into an area on the refuge with a male from another pack, but wandered east into her former territory and may have been pushed out by the resident female, resulting in her travels along the</p>

	highway and subsequent death.
3. First-time captures (adults/pups)	0
4. Releases from captivity	2 pups from Bull's Island fostered to two separate wild dens
5. Management removals (problem animals)	0
6. Fate unknown/disappearance	1 (lost contact with a breeding male in Zone 3 who's collar was suspected of quitting due to battery life; the intact social structure of the pack has not changed, suggesting this male is still present; efforts to re-collar this male may take place later in the year)
Number of captive wolves:	
1. Total number of captive wolves	154 (75 males, 79 females) During this period, 23 pups (8 males, 14 female, 1 unknown sex) were born from eight litters (two litters involved single pups that were stillborn). Currently 14 (5male, 9 female) pups are still alive.
2. Number of wolves on islands	2 (one pair on St. Vincent, none on Bulls Island)
3. Sandy Ridge:	
a. Number slated for release	2 (a male & female treated for mange that will be released together)
b. Number of hybrids	0
c. History	Of the 2 wild wolves slated for release, one was a breeding male from the Milltail pack on ARNWR, the other a female born on Bull's Island and released south of refuge in late 2003. Both were captured in order to treat for sarcoptic mange, and will be released together in one of their former territories in July in hopes of establishing a new pack.
d. Number of captive wolves	4
e. Number slated for breeding	0
Number of wolf packs & pairs	21 known or suspected: 7 in Zone 1 9 in Zone 2 5 in Zone 3
Dispersal/displacement/wide ranging movements (wolf)	2 instances documented: 1) A 2-yr old male from the Outfall pack that had moved into the northern portion of ARNWR earlier this year was displaced by the resident breeding male in early June. He has since moved south of the refuge but still appears transient. 2) A breeding male from the Frying Pan pack was displaced by a 2-yr old male that dispersed from the Western pack to the west.
Dispersal/displacement/wide ranging movements (non-wolf)	None
Aerial or ground visuals	None noteworthy
Quarterly status statement on Adaptive Mgmt. Plan	The red wolf adaptive management plan is still undergoing revision and review. We hope to finalize it by

	October 2004.
Additional management Decisions	NA
Outreach activities:	
1. Events/presentations including # of attendees	<p>4/1 Smithfield AIG School, Assembly Presentation (50)</p> <p>4/2 McGee's Crossroads Elementary, 12 Presentations (800)</p> <p>4/4 Walk For Wildlife, Raleigh, Booth (500 total attendance)</p> <p>4/17 Earth Day at NC Aquarium, Manteo, Booth (200 total)</p> <p>4/22 Earth Day Howling, ARNWR (48)</p> <p>4/25 Teacher Workshop, Pocosin Lakes NWR (17)</p> <p>4/26 Columbia Middle School, Lecture (17)</p> <p>5/21 Refuge Intern Training, ARNWR, Power Point. (20)</p> <p>5/30 Howling, ARNWR (95)</p>
2. Media coverage for the quarter	<p><u>USA Today</u> May 26, 2004, 8D. "N.C. Red Wolves have a productive spring"</p> <p><u>Outer Banks Sentinel</u> May 26, 2004 "Two captive-born red wolf pups are adopted by wild packs"</p> <p><u>The Virginian-Pilot</u> May 26, 2004 "Red wolves not so big or bad" by Catherine Kozak</p> <p><u>The Coastland Times</u> May 30, 2004 "Captive-born red wolf pups adopted by packs: 2002 foster pup produces wild litter"</p> <p><u>The Charlotte Observer</u> May 30, 2004 "Record Spring Boosts N.C. Red Wolf Numbers" by Jack Horan</p> <p><u>Wildlife In North Carolina</u> June 2004 pp. 9-12 "Critical Carnivores" by John Manuel</p> <p><u>The News & Observer</u> June 10, 2004 "Red wolves find life fine in Carolina" by Jerry Allegood</p> <p><u>The Coast</u> June 19-27th, 2004 "Calling All Red Wolves"</p>